

US EPA ARCHIVE DOCUMENT

3-15-78

D-7695

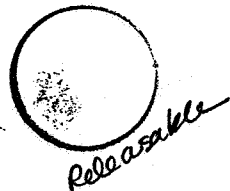
/Linuron SK

UNIT STATES ENVIRONMENTAL

DATE: March 15, 1978

SUBJECT: 352-EUP-96. DuPont LUROX DF Weed Killer for use on soybeans and potatoes.
Caswell#528 (Linuron)FROM: William Dykstra, Ph.D
Toxicology Branch

WLD 3/15/78

TO: Libby Zink
Special RegistrationRegistrant: E.I. DuPont de Nemours & Co.
Wilmington, DelawareRecommendations:

1. In order to evaluate the signal word and labeling of this formulation, the following toxicity study is required using the formulation:

1. Eye Irritation - Rabbits

2. The EUP may be granted without further toxicological studies. However, the registration will require the toxicity study requested above.

Tolerances have been established for Linuron under 40 CFR 180.184 on a wide variety of raw agricultural commodities. No new data were submitted with this EUP. A summary of data from previous petitions show:

Acute Oral Rats LD₅₀ approx. 2 g/kg
Subacute Oral Rats NEL between 80-400 ppm
Chronic Oral Rats NEL 125 ppm
Chronic Oral Dogs NEL 25 ppm
Rat Reproduction NEL 125 ppm
Rabbit Reproduction NEL 125 ppm
Eye Irritation Rabbit NEL 0.1 ml of 10% suspension

Skin Irritation Guinea Pig 10% aqueous suspension of 50% WP powder caused moderate irritation no sensitization.

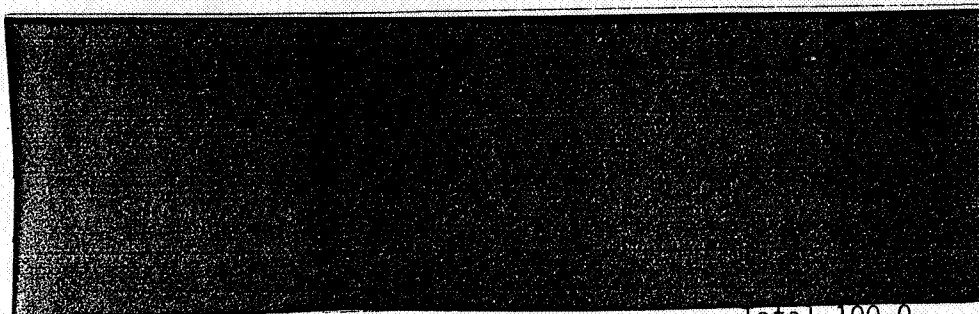
Additional DATA Required for Establishment of Permanent Tolerances for Linuron.

1. 2nd Oncogenicity Study
2. Teratogenicity
3. Mammalian Mutagenicity

Formulation: Dry Flowable granules: "Lorox" 75 DF is to be mixed in water.

Inert ingredient information

<u>Ingredient</u>	<u>Wt. %</u>
3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea (Linuron, 95% minimum)	79.5

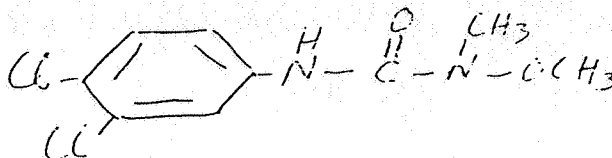


total 100.0

Use Proposed: For selective control in corn, soybeans, grain sorghum, cotton, wheat (Pacific Northwest), carrots, parsnips, celery and potatoes. Also for short-term control of annual weeds in non-cropland areas such as roadsides and fencerows.

Total quantity of Product Proposed for Use: 2/15/78 to 2/15/79

Structure:



G.E.W 3/15/78

Typist:TH

14/8

500